

Replacement Claims

1. (amended) A triggerable location-reporting apparatus for use in an environment including: a source of GPS signals; a source of a trigger signal; a cellular base station connected through a network to a gateway; the cellular base station being configured to expect a Reverse Control Channel signal including a Mobile Identification Number and an Electronic Serial Number, the triggerable location-reporting apparatus comprising

a GPS receiver responsive to the GPS signals for producing GPS data when enabled;

a cellular network transmitter coupled to the GPS receiver for formatting and transmitting, when enabled, a Reverse Control Channel signal including a formatted GPS data in the place normally occupied by the Electronic Serial Number and a Mobile Identification Number that will cause the cellular base station to send a Registration Notification Invoke signal including the formatted GPS data to the gateway;

a trigger signal receiver responsive to the trigger signal for producing an enable signal;

an enable controller coupled to the GPS receiver, the cellular network transmitter, and the trigger signal receiver;

the enable controller being configured to enable the GPS receiver and the cellular network transmitter upon receipt of the enable signal from the trigger signal receiver; and

the enable controller being configured to disable the GPS receiver and the cellular network transmitter.

2. (amended) The triggerable location-reporting apparatus of claim 1 further comprising

a power supply connection;

a first switchable power signal coupled to the GPS receiver and the power supply connection;

a second switchable power signal coupled to the cellular network transmitter and the power supply connection.

Sub B1
3. (amended) The triggerable location-reporting apparatus of claim 2 where the enable controller is configured to switch on and off the first switchable power signal and the second switchable power signal.

4. The triggerable location-reporting apparatus of claim 2 further comprising a power supply coupled to the power supply connection.

5. The triggerable location-reporting apparatus of claim 4 wherein the power supply comprises a battery.

6. The triggerable location-reporting apparatus of claim 4 wherein the power supply comprises a solar cell.

7. The triggerable location-reporting apparatus of claim 4 wherein the power supply comprises a vehicle battery.

Sub B2
8. (amended) The triggerable location-reporting apparatus of claim 1 wherein the page receiver, GPS receiver and telemetry transmitter are housed in a housing.

9. The triggerable location-reporting apparatus of claim 8 wherein the housing is configured to be installed in a vehicle.

10. The triggerable location-reporting apparatus of claim 8 wherein the housing comprises at least a portion of an article of clothing.

11. The triggerable location-reporting apparatus of claim 8 wherein the housing is configured to be installed in an object to be tracked.

12. (cancelled) The triggerable location-reporting apparatus of claim 1 wherein

the telemetry transmitter comprises a cellular telemetry transmitter.

13. (cancelled) The triggerable location-reporting apparatus of claim 1 wherein the telemetry transmitter comprises a satellite telemetry transmitter.

- Sub B3*
14. (amended) The triggerable location-reporting apparatus of claim 1 wherein the cellular network transmitter comprises a cellular telephone.

15. (cancelled) The triggerable location-reporting apparatus of claim 1 wherein the telemetry transmitter comprises a radio-telephone.

- Sub B4*
16. (amended) The triggerable location-reporting apparatus of claim 1 wherein the trigger signal comprises a page.

17. (amended) The triggerable location-reporting apparatus of claim 1 wherein the source of the trigger signal comprises an alarm.

18. (amended) The triggerable location-reporting apparatus of claim 1 wherein the source of the trigger signal comprises a remote control.

19. (amended) A method for reporting a location for an object in an environment including: a source of GPS signals; a source of a page including a command; a cellular base station connected through a network to a gateway; the cellular base station being configured to expect a Reverse Control Channel signal including a Mobile Identification Number and an Electronic Serial Number, the method comprising

receiving a page;

enabling, in response to the page, a GPS receiver responsive to the GPS signals to produce GPS data;

enabling, in response to the page, a cellular network transmitter to format and transmit a Reverse Control Channel signal including a formatted GPS data in the place normally occupied by the Electronic Serial Number and a Mobile Identification Number that will cause the cellular base station to send a Registration Notification Invoke signal including the formatted GPS data to the gateway; and

disabling the GPS receiver and the cellular network transmitter.

20. (amended) The method of claim 19

where enabling comprises applying power to a GPS receiver and a cellular network transmitter upon receipt of the page; and

where disabling comprises disconnecting power from the GPS receiver and the cellular network transmitter upon transmission of the location of the object.

21. The method of claim 19 further comprising

receiving the transmitted location at a gateway;

communicating the transmitted location to a service provider.

22. (amended) The method of claim 19 wherein transmitting comprises transmitting the location of the object via the cellular network.

23. (cancelled) The method of claim 19 wherein transmitting comprises transmitting the location of the object via satellite telemetry.

24. The method of claim 19 further comprising determining if the object is moving; and continuing to transmit the location of the object while it is moving.

25. The method of claim 19 further comprising storing the location of the object; and transmitting the stored location of the object if the ability to determine location ceases.

26. (amended) A triggerable location-reporting apparatus comprising a location-signal generating device configured to produce a location signal when enabled;
a telemetry transmitter coupled to the location-signal generating device configured to transmit the location signal when enabled;
an enable controller configured to enable the location-signal generating device and the telemetry transmitter when it receives a trigger signal and to disable the location-signal generating device and the telemetry transmitter after the telemetry transmitter transmits the location signal.

27. The triggerable location-reporting apparatus of claim 26 wherein the location-signal generating device comprises a GPS processor.

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28. (amended) The triggerable location-reporting apparatus of claim 27 where the controller comprises

a page receiver which produces an enable signal when it receives a page.

29. (amended) The triggerable location-reporting apparatus of claim 28 wherein the GPS processor generates the location signal in response to the enable signal.

30. The triggerable location-reporting apparatus of claim 28 wherein power is not applied to the GPS processor until the apparatus receives a page.

31. The triggerable location-reporting apparatus of claim 26 wherein power is not applied to the telemetry transmitter until the apparatus receives a page.

32. The triggerable location-reporting apparatus of claim 26 wherein the telemetry transmitter comprises a cellular telemetry transmitter.

33. The triggerable location-reporting apparatus of claim 26 wherein the telemetry transmitter comprises a satellite telemetry transmitter.